BRUHAT BENGALURU MAHANAGARA PALIKE

No. 19th SBR=000014/24-25 Original/Duplicate/Triplicate BR=000014/24-25
RA bill 13/6/2024 CONTRACT CERTIFICATE 13/6/2024
(For Other Works)

Division: **Electrical (Dasarahalli)** **JOB NO :015-22-000002** Sub-Division: **Electricals**
**Head of Account :** P0300 M & R to street lights-Replacement of burnt bulbs etc
Bill Received No. Dated Book Voucher No…….. Dated…
**Schedule Docket Name of Work** :- Annual Maintenance of street lights package D-5 in T Dasarahalli ward no 15
**Bill Period:01.04.2024 to 31.05.2024(2 Month)**
Name of Contractor and Full Address:- M/s. PRASHANTH ELECTRICALS
Reference to Agreement No:- EE/Ele/DZ/TEND/AG/000013/2021-22 Date:16.03.2022
Reference to Work order No:- EE/Ele/DZ/TEND/WO/000005/2022-23 Date:04.04.2022
Reference to Supplementary Agreement No: EE/Ele/DZ/TEND/SAG/25/-.2022-23 Date:24.03..2023
Reference to Supplementary Work order No:- EE/Ele/DZ/TEND/SWO/31/-2022--23 Date:24.03.2023
Reference to Supplementary Agreement No: EE/Ele/DZ/TEND/SAG/II/05/2023-24 Date:15.03.2024
Reference to Supplementary Work order No:- EE/Ele/DZ/TEND/SWO/II/05/2023-24 Date:15.03.2024

Certified that the measurements were taken by me on 04/6/2024 and recorded of Pages 689875 to 689878 of measurement Book No. 6899. And that the work is satisfactorily executed.

Contractor

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

Certified that the measurement were taken by me on 05/6/2024 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment Sub-Division Officer

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

| | | |
|---|---|---|
| 1) Total value of work done or supplies as per account within | Up to date bill: | 4522767=00 |
| 2) Deduct amount to be held in reserve being ……percent Rs…… | Previous bill | 4275892=00 |
| 3) " Balance | Present bill | 246875=00 |
| 4) Deduct Payment: | | |
| a) Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…… Amount adjusted towards cash advance recovery of | T.W.D | 241338=00 |
| | IT | 2413=00 |
| b) Payments Now made cost store or other material supplied. | CGST | 2413=00 |
| recovery of amount creditable to this/other work | SGST | 2413=00 |
| Amount paid on this bill Cheque / Cash. | Lwf | 2413=00 |
| | CBP | 241=00 |
| 5) Balance being unpaid value of work done held in reserve. | | 600=00 |
| 6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments. | fine | |
| 7) Net amount due to or from Contractor un adjustments items | | 4937=00 |
| 8) Advance to Contractor for materials brought to site (as detailed) within. Value of Government materials supplied. | scrap | |
| Total amount adjusted | T.D | 15430=00 |
| | Chq. amt: | 231445=00 |

Contractor's Signature

Received Rs…… (in words)……
……
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Witness
1.
2.
Dated Signature of Contractor Stamp
Paid by me by Cheque No……Dated……
Cash Rs……
Dated……Initials of Officer making payment

Audited (For use in the Office) Rs. 246875=00
Passed by Cheque for Rs. 231445=00
(Two lakh thirty one Thousand four hundred and forty five Rupees only)
by adjustment Rs. 15430=00
Executive Engineer (Ele)
Dasarahalli Division
Accounts Superintendent

B.B.M.P. Dasarahalli Division

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D5

| Sl. No. | Description of Item | Unit | Previous Measurement | | Present Measurement | | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty. | Cost | Qty. | | Rate Rs. P. | Amount | Qty | Cost | |
| | | | | | | | | 2 Month | Upto Date paid so for X 26months | | |
| | Name of work:-Annual Maintanance of street lights package D-5 in T. Dasarahalli ward no 15 | | | | | | | | | | |
| 1 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system. | Each | 30X24Months | 8568.00 | 0 | 685.45/12=57.12 | 57.12 | 0.00 | 30X26Months | 8568.00 | |
| 2 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system. | Each | 12X24Months | 18149.76 | 12 | 756.29/12=63.02 | 63.02 | 1512.48 | 12X26Months | 19662.24 | |
| 3 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system. | Each | 851X24Months | 1735018.80 | 851 | 1019.41/12=84.95 | 84.95 | 144584.90 | 851X26Months | 1879603.70 | |
| 4 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system. | Each | 36X24Months | 80490.88 | 36 | 1118.08/12=93.17 | 93.17 | 6708.24 | 36X26Months | 87207.12 | |
| 5 | Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system. | Each | 473X24Months | 832442.16 | 473 | 880.01/12=73.33 | 73.33 | 69370.18 | 473X26Months | 901812.34 | |
| 6 | Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system. | Each | 49X24Months | 112437.36 | 49 | 1147.43/12=95.61 | 95.61 | 9369.78 | 49X26Months | 121807.14 | |
| 7 | Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system. | Each | 27X24Months | 74396.88 | 27 | 1377.66/12=114.81 | 114.81 | 6199.74 | 27X26Months | 80596.62 | |
| 8 | Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system | Each | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | |
| 9 | Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system. | Each | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | |
| 10 | Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.300mmx450mmx214mm | Each | 20 | 102540 | 0 | 0 | 5127.00 | 0.00 | 20 | 102540.00 | |

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|---|---|---|---|---|---|---|---|---|---|
| 11 | Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps | Each | 44 | 316800 | 0 | 0 | 7200.00 | 0.00 | 44 | 316800.00 | |
| 12 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps SP | Each | 48 | 34704 | 0 | 0 | 723.00 | 0.00 | 48 | 34704.00 | |
| 13 | Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. | Each | 48 | 193440 | 0 | 0 | 4030.00 | 0.00 | 48 | 193440.00 | |
| 14 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.6 sqmm | Mtr | 18 | 1260 | 0 | 0 | 70.00 | 0.00 | 18 | 1260.00 | |
| 15 | Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.6 sqmm | Mtr | 172 | 1204 | 0 | 0 | 7.00 | 0.00 | 172 | 1204.00 | |
| 16 | 1.1 KV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below<br>1. Hot Set Test:<br>a) Elongation under Load: 50% (Max)<br>b) Permanent Elongation After Cooloing: 3% (Max)<br>2. Thermal Aging in oven:<br>a) Tensile Strength: 16 N/mm$^2$ (Min)<br>b) Elongation: 375% (Min)<br>3. Water Absorption Test<br>a) Water absorbed: 0.5 mg/cm$^2$ (Max)<br>4. Carbon Black Content shall be ranging from 2% to 3%<br>3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral) | Km | 2.75 | 404250 | 0 | 0 | 147000.00 | 0.00 | 2.75 | 404250.00 | |
| 17 | Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control) | Km | 2.75 | 61790 | 0 | 0 | 22469.00 | 0.00 | 2.75 | 61789.75 | |
| 18 | Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm | Mtrs | 370 | 55500 | 0 | 0 | 150.00 | 0.00 | 370 | 55500.00 | |
| 19 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm | Mtrs | 370 | 11100 | 0 | 0 | 30.00 | 0.00 | 370 | 11100.00 | |
| | **Sub Total** | | | 3872922.96 | | | | 237745.32 | | 4082138.84 | |
| | **Add GST 18%** | | ADD 6% | 402969.03 | 12% | | 28529.44 | 209215.88 | ADD 6% | 440627.89 | |
| | **Total** | | | 4275891.99 | 18% | | 37658.86 | 246874.74 | | 4522766.73 | |
| | **Add GST18% on item no10 to 19** | | | | 18% | 0.00 | 0.00 | 0.00 | | | |
| | | | | | | | | 246874.74 | | | |
| | Fine imposed for non burning of street lights For the period of 01.04.2024 to 31.05.2024 and GPS time violation Penalty for the present bill | | | 33300.00 | | | | 600.00 | | 33900.00 | |
| | As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material | | | 58325.77 | | | | 4937.49 | | 63263.26 | |
| | **GRAND TOTAL** | | | 4184266.22 | | | | 241337.25 | | 4425603.47 | |

**Certificate**

1 The above said monthly maintenance work has been carriedout satisfactorily

2 The Amount Claimed in this Bill has not been claimed in any of the previous bill

Assistant Engineer (Ele)
Bruhath Bengaluru Mahanagara Palike
Dasarahalli Zone, Bengaluru

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bengalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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